

DERWENT- 1992-044579  
ACC-NO:

DERWENT- 199841  
WEEK:

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TITLE: Highly durable stretch knitting fabric for sportswear - consists of elastic fibre of aliphatic polycarbonate-based polyurethane and non-elastic, esp. polyamide-based fibre

PATENT-ASSIGNEE: ASahi CHEM IND CO LTD[ASAH]

PRIORITY-DATA: 1990JP-0087539 (April 3, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 03287844	A December 18, 1991	N/A	007	N/A D04B 021/18
JP 2796171	B2 September 10, 1998	N/A	007	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 03287844A	N/A	1990JP-0087539	April 3, 1990
JP 2796171B2	N/A	1990JP-0087539	April 3, 1990
JP 2796171B2	Previous Publ.	JP 3287844	N/A

INT-CL (IPC): D01F006/70, D01F006/78 , D04B021/18

ABSTRACTED-PUB-NO: JP 03287844A

BASIC-ABSTRACT:

Fabric comprises an elastic fibre and non-elastic fibre. The elastic fibre consisting of polyurethane, contains aliphatic copolycarbonate having Mn of 300-50000 with units A:  $-(O(CH_2)6OC(=O)-)-$  and B:  $-(O(CH_2)5OC(=O)-)-n-$  in a ratio of A to B of 9:1-1:9, as repeat units.

The non-elastic fibre may be any synthetic fibre, regenerated fibre or natural fibre, with polyamide based synthetic fibre such as nylon 6, nylon 66 being pref. because of strength. Ratio of mol quantity of polyester diol to organic diisocyanate in polyurethane is 1:1.3-1:8.0 (1:1.5-1:2.5). Fineness of polyurethane fibre is pref. 20-490 denier. Knitting texture may be half tricot, satin tricot, back half, double atlas, etc.

USE/ADVANTAGE - The highly durable stretch knitting fabric is useful for chemical resistant durable stretch knitting fabric for sportswear such as a leotard. The highly durable stretch knitting fabric has excellent durability to perspiration, cosmetics and heat on wearing.

CHOSEN- Dwg.0/0  
DRAWING:

TITLE-TERMS: HIGH DURABLE STRETCH KNIT FABRIC SPORTS CONSIST ELASTIC FIBRE ALIPHATIC POLYCARBONATE BASED POLYURETHANE NON ELASTIC POLYAMIDE BASED FIBRE

DERWENT-CLASS: A28 A94 F04

CPI-CODES: A05-G02; A12-F01; A12-S05D; A12-S05H; F02-B02; F04-C03;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0013 0231 1283 1292 1296 1327 1329 1450 1723 1758 1804 1982 2526 2528 2585 2607 2717  
2821 2844 2854 3174 3250 3309

Multipunch 014 028 038 04- 141 143 150 155 157 158 160 169 170 192 193 206 207 208 209 239 252 253 34&  
Codes: 481 483 52& 532 533 535 541 545 56& 575 583 589 617 619 663 664 667 688 720 001 023 128 129  
129 132 132 145 172 175 180 198 252 252 258 260 271 282 284 285 317 325 330

SECONDARY-ACC-NO: